

## Cumulative contents of Volume 71

### Volume 71, No. 1, November 1998

#### Papers

A.B. Gershman and J.F. Böhme	
A pseudo-noise approach to direction finding .....	1
J. Míguez and L. Castedo	
A constant modulus blind adaptive receiver for multiuser interference suppression .....	15
S.-N. Lin and S.-J. Chern	
A new adaptive constrained LMS time delay estimation algorithm .....	29
M. Barni and V. Cappellini	
On the computational complexity of multivariate median filters .....	45
L. Hong, N. Cui, S. Cong and D. Wicker	
An interacting multipattern data association (IMPDA) tracking algorithm .....	55
J.S. Lim	
Block adaptive filtering algorithm based on the preconditioned conjugate gradient method .....	79
N.H. Younan and X. Fan	
Signal restoration via the regularized constrained total least squares .....	85

#### Fast communications

W.G. Cowley	
Reference symbols can improve performance over differential coding in ML and near-ML detectors .....	95
M.K. Sridharan	
Subband adaptive filtering: Oversampling approach .....	101
<b>Announcement</b> .....	105

### Volume 71, No. 2, December 1998

#### Special Issue on Deformable Models and Techniques for Image and Signal Processing

Guest Editors: A. Campilho and M. Kamel

A. Campilho and M. Kamel	
Editorial .....	107
A.K. Jain, Y. Zhong, M.-P. Dubuisson-Jolly	
Deformable template models: A review .....	109
C. Xu, J.L. Prince	
Generalized gradient vector flow external forces for active contours .....	131
N. Schultz, K. Conradsen	
2D vector-cycle deformable templates .....	141
C. Kervrann	
Learning probabilistic deformation models from image sequences .....	155
J. Montagnat, H. Delingette	
Globally constrained deformable models for 3D object reconstruction .....	173

I. Pavlidis, N.P. Papanikolopoulos, R. Mavuduru	
Signature identification through the use of deformable structures .....	187
P. Bamford, B. Lovell	
Unsupervised cell nucleus segmentation with active contours .....	203
A. Elmoataz, S. Schüpp, R. Clouard, P. Herlin and D. Bloyet	
Using active contours and mathematical morphology tools for quantification of immunohistochemical images .....	215

### Volume 71, No. 3, December 1998

#### Papers

K. Ichige, N. Otsuka and R. Ishii	
Properties of the frequency transformation matrices for IIR digital filters .....	227
R. Srinivasan	
Estimation and approximation of densities of i.i.d. sums via importance sampling .....	235
O.V. Sarca, E.R. Dougherty and J. Astola	
Secondarily constrained Boolean filters .....	247
J.L. Bapat	
Partially blind estimation: ML-based approaches and Cramer–Rao bound .....	265
W.A. Hashlamoun and W.S. Kafri	
A unified framework for evaluating bounds on the Bayesian cost .....	279
P.-C. Lo and Y.-Y. Lee	
Real-time implementation of the split-radix FFT – An algorithm to efficiently construct local butterfly modules .....	291
H. Sakai and K. Shimizu	
A new adaptive algorithm for minor component analysis .....	301
<b>Acknowledgements</b> .....	309
<b>Author index of Volume 71</b> .....	323
<b>Cumulative contents of Volume 71</b> .....	325

